

FIG. 4a

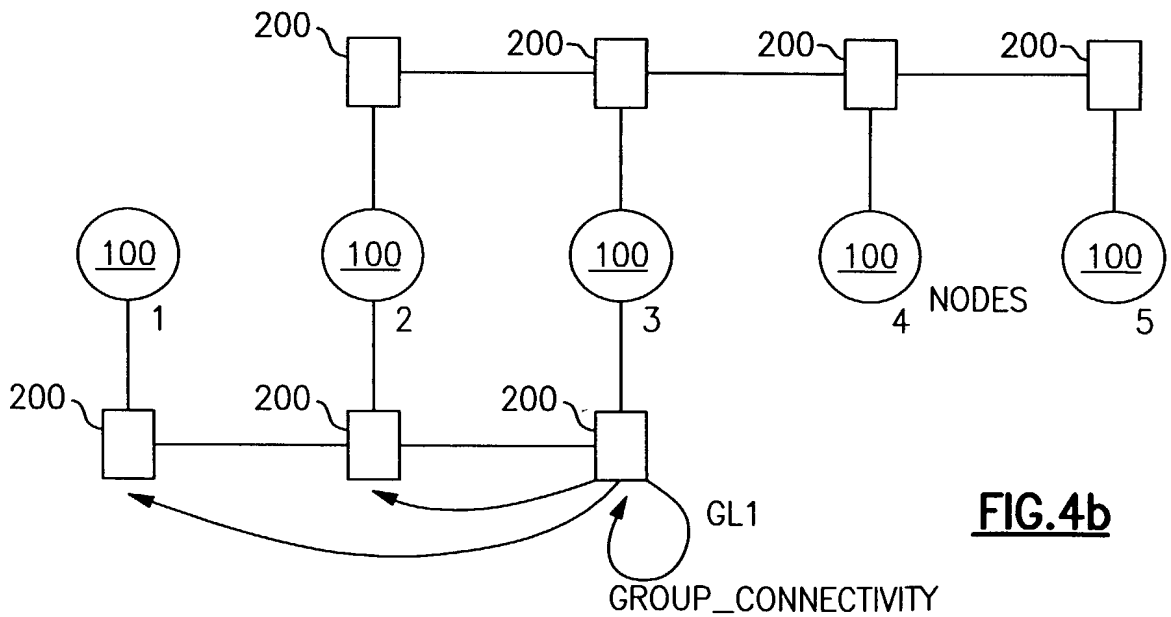


FIG. 4b

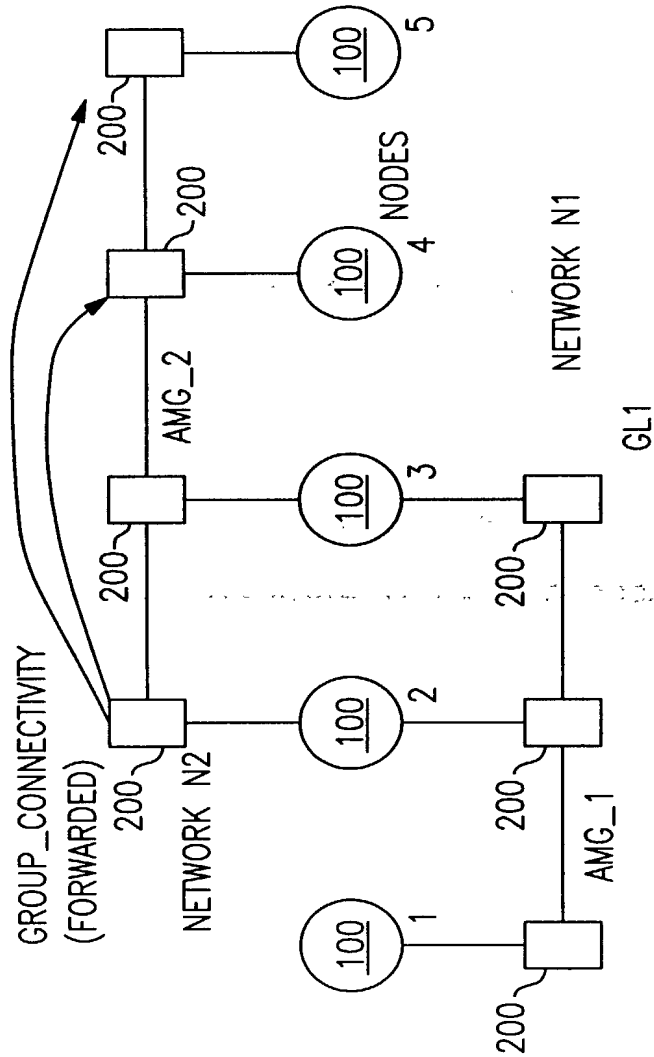
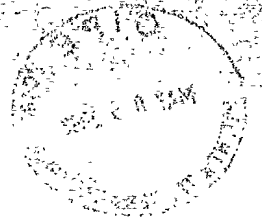
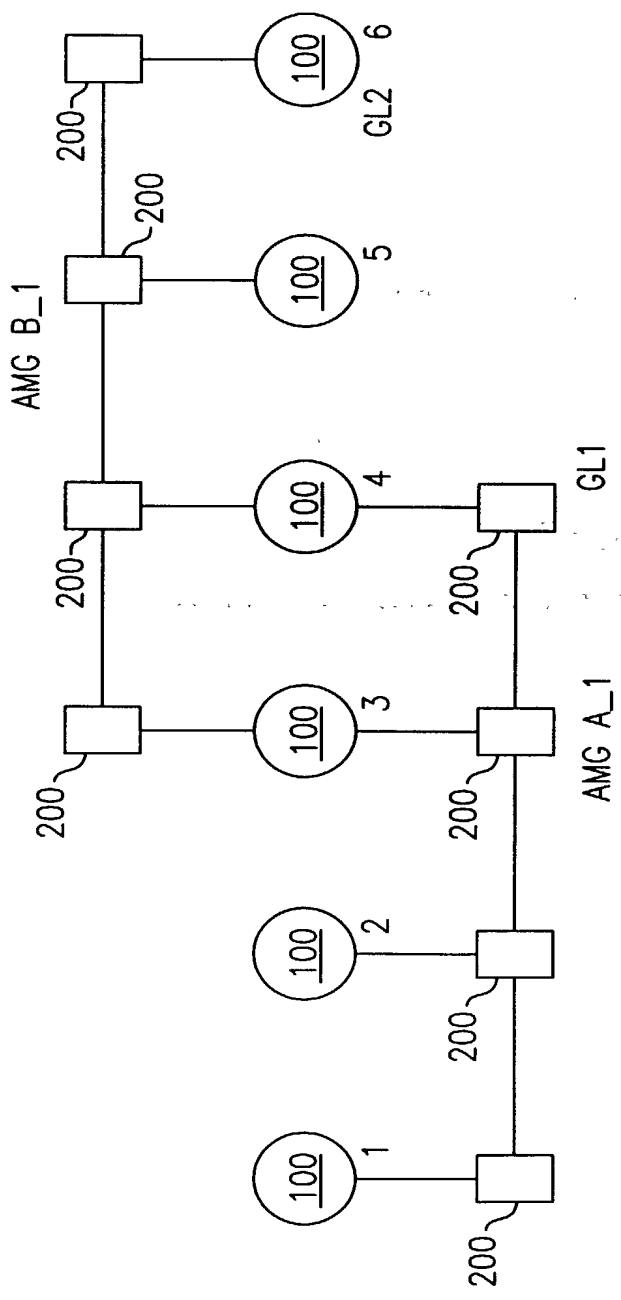
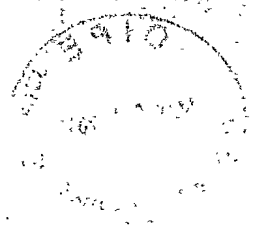


FIG.4c



	1	2	3	4	5	6
A_1			B_1	B_1	B_1	B_1
B_1			A_1	A_1	A_1	A_1

NCT AT NODE 5

FIG.5a

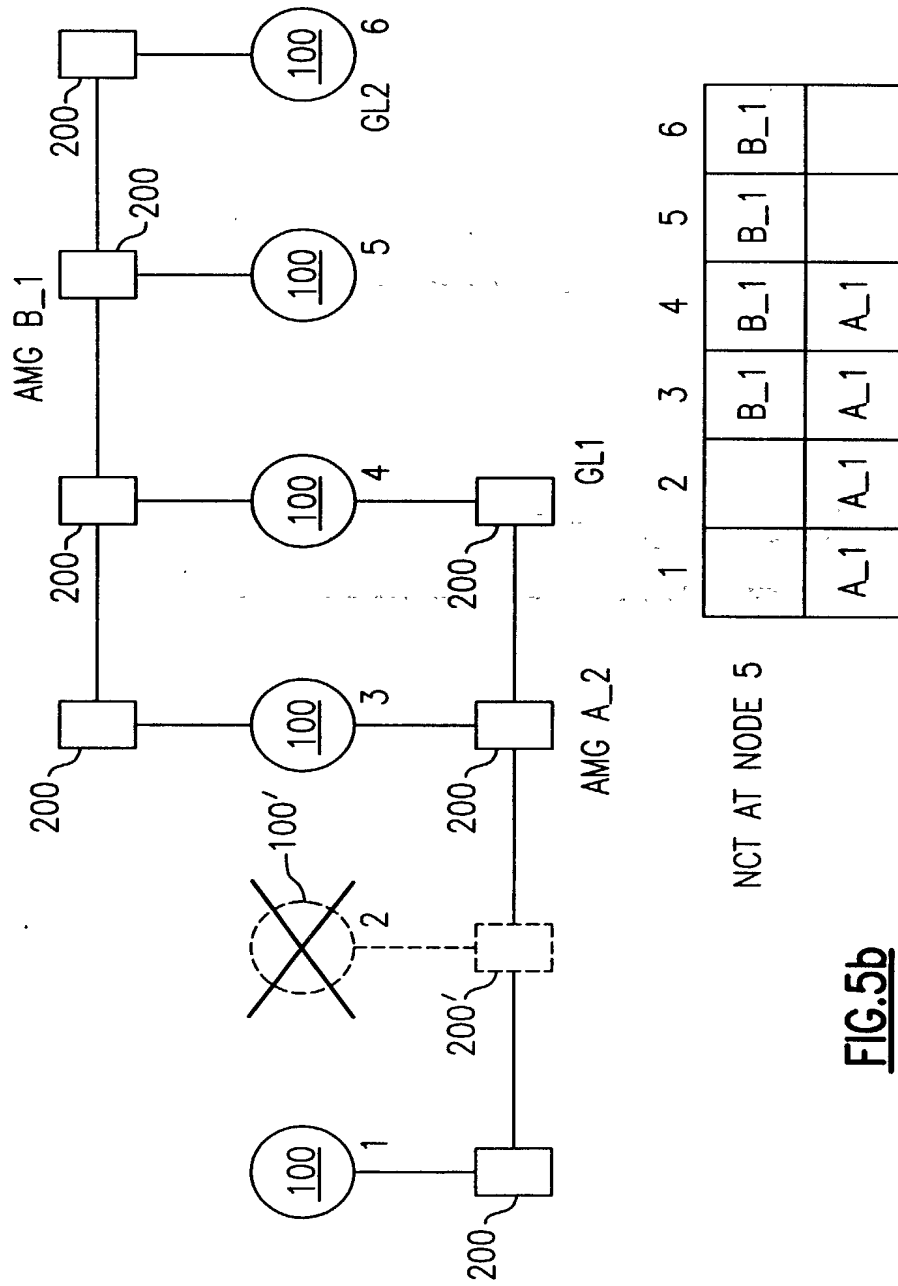


FIG.5b

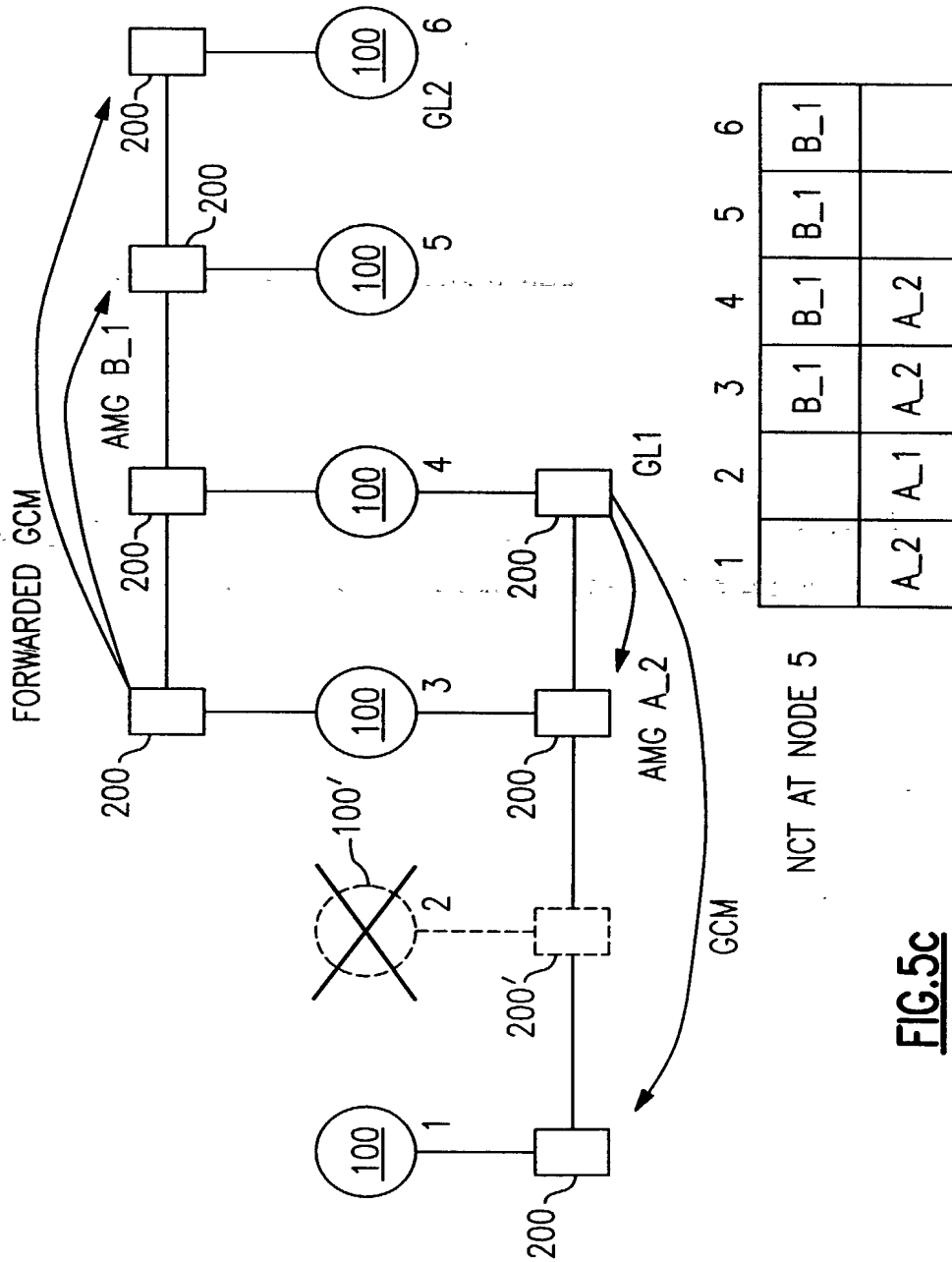
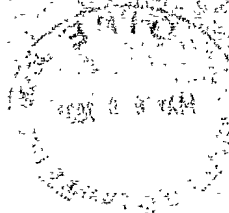
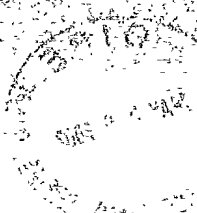


FIG.5c



NETWORK A: 10 SECONDS DETECTION TIME
NETWORK B: 40 SECONDS DETECTION TIME

NODES 1 AND 2 ARE FORMING AMGs ON NETWORKS A AND B

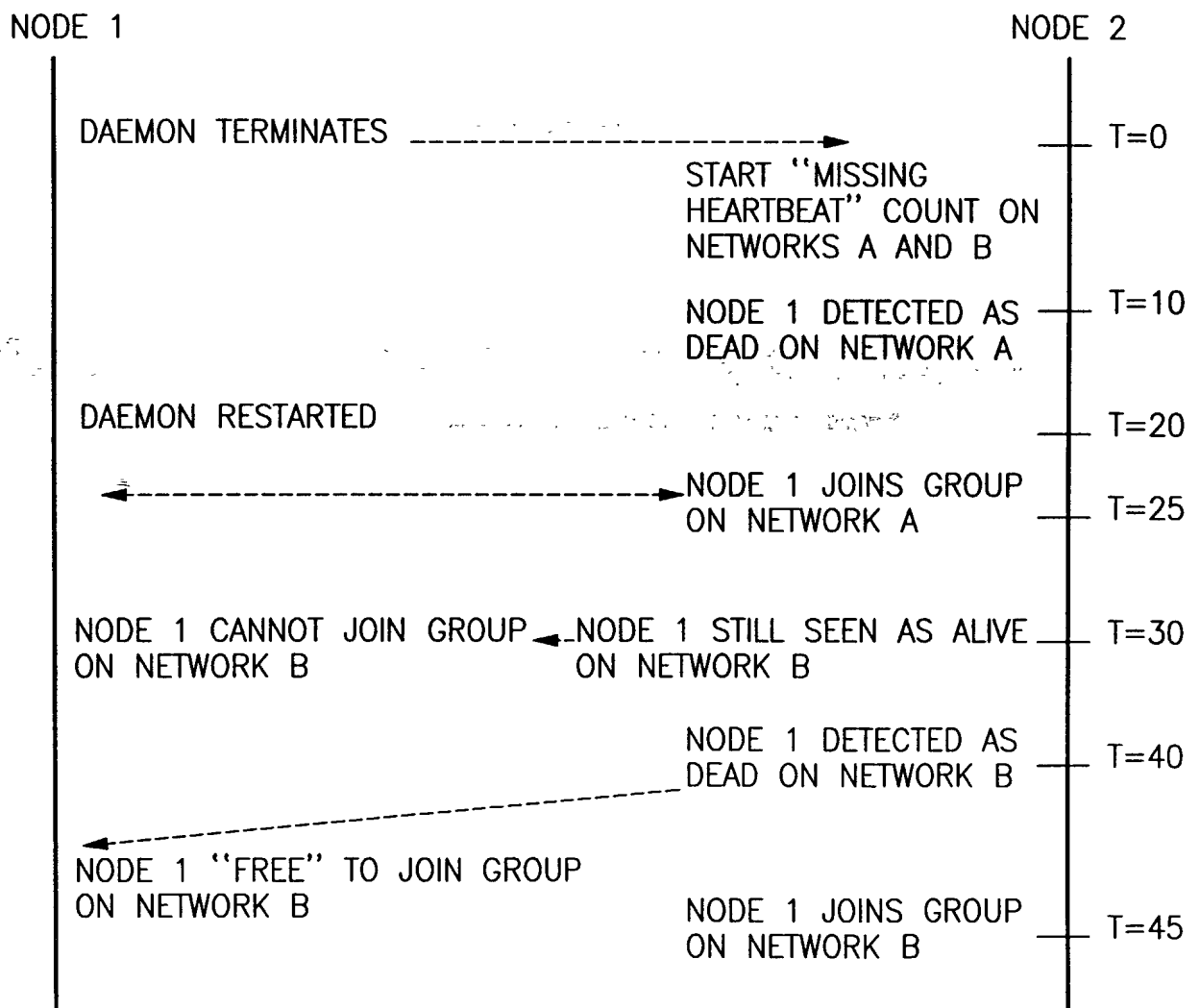


FIG.6

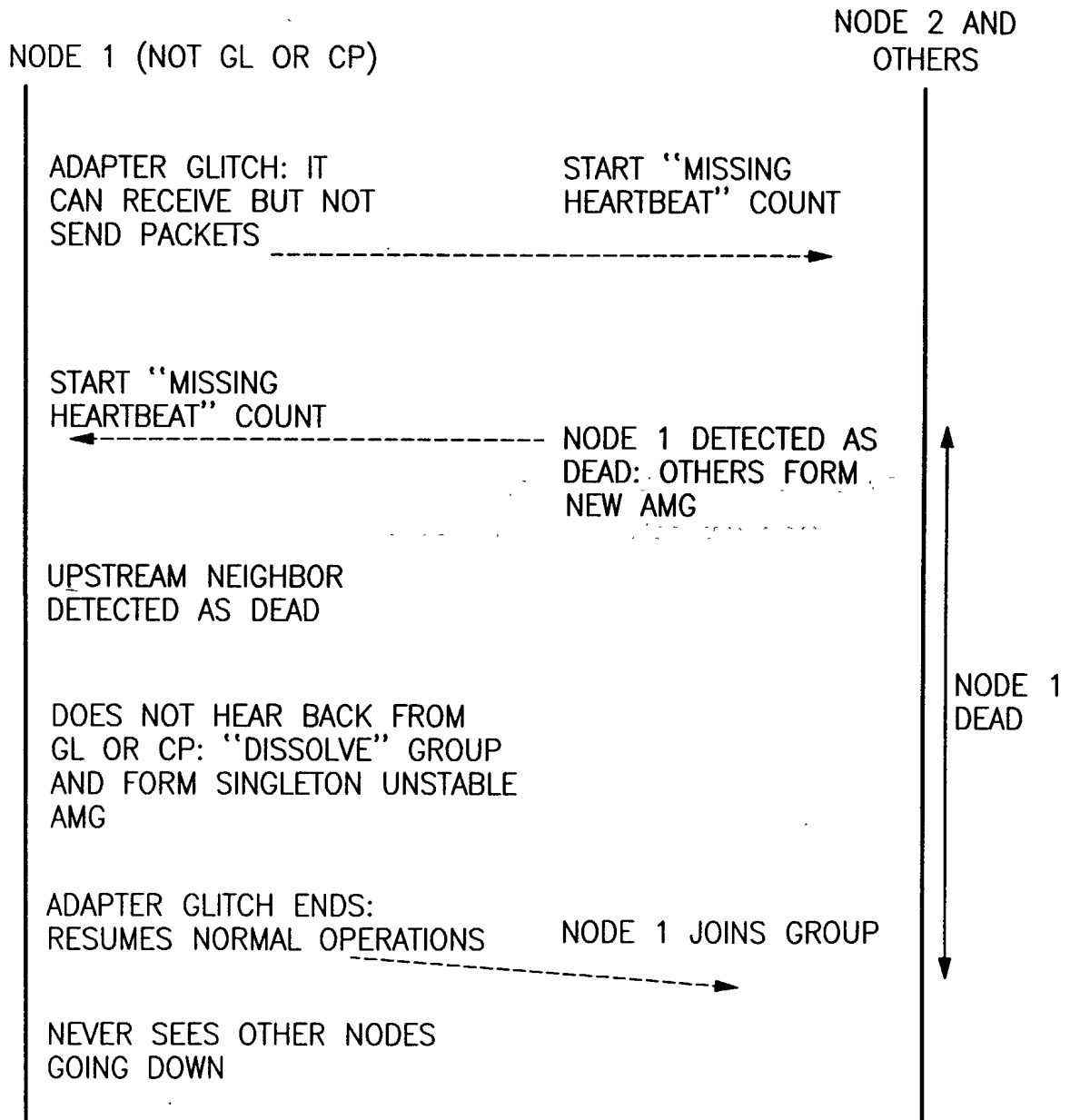
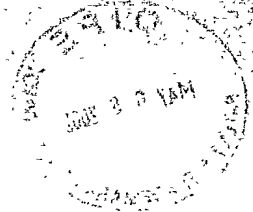


FIG.7

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NODE 2 AND
OTHERS

NODE 1 (GL OR CP)

ADAPTER GLITCH: IT
CAN RECEIVE BUT NOT
SEND PACKETSSTART "MISSING
HEARTBEAT" COUNTSTART "MISSING
HEARTBEAT" COUNTNODE 1 DETECTED AS
DEAD: OTHERS FORM
NEW AMGUPSTREAM NEIGHBOR
DETECTED AS DEADADAPTER GLITCH ENDS:
RESUMES NORMAL OPERATIONSSENDS PTC TO ALL PEERS
EXCEPT UPSTREAM NEIGHBORREPLIES WITH
PTC ACKSENDS COMMIT TO ALL
PEERS

NODE 1 JOINS GROUP

NEVER SEES OTHER NODES
GOING DOWNNODE 1
DEADFIG.8

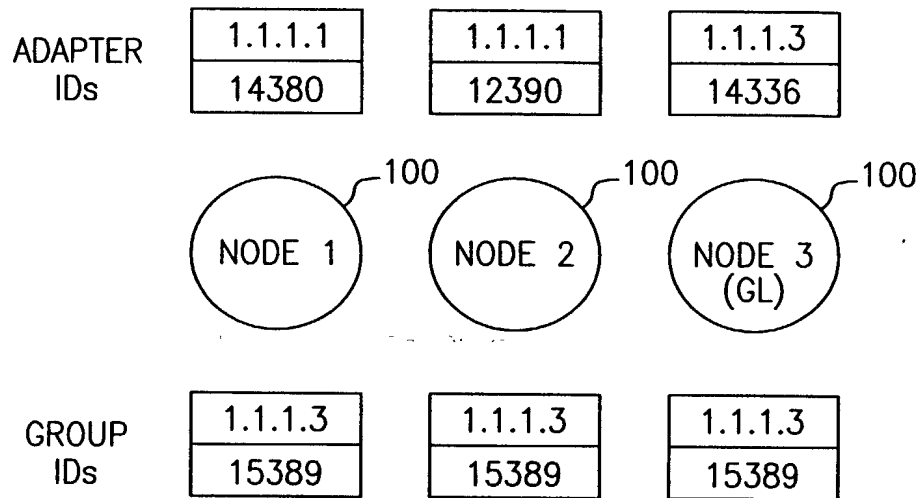
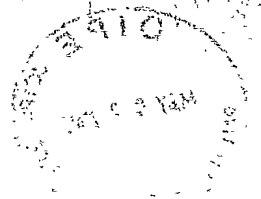


FIG.9

MESSAGE TYPE
SOURCE ADAPTER ID
SOURCE GROUP ID
DESTINATION ADAPTER ID
DESTINATION GROUP ID
PAYLOAD

FIG.10

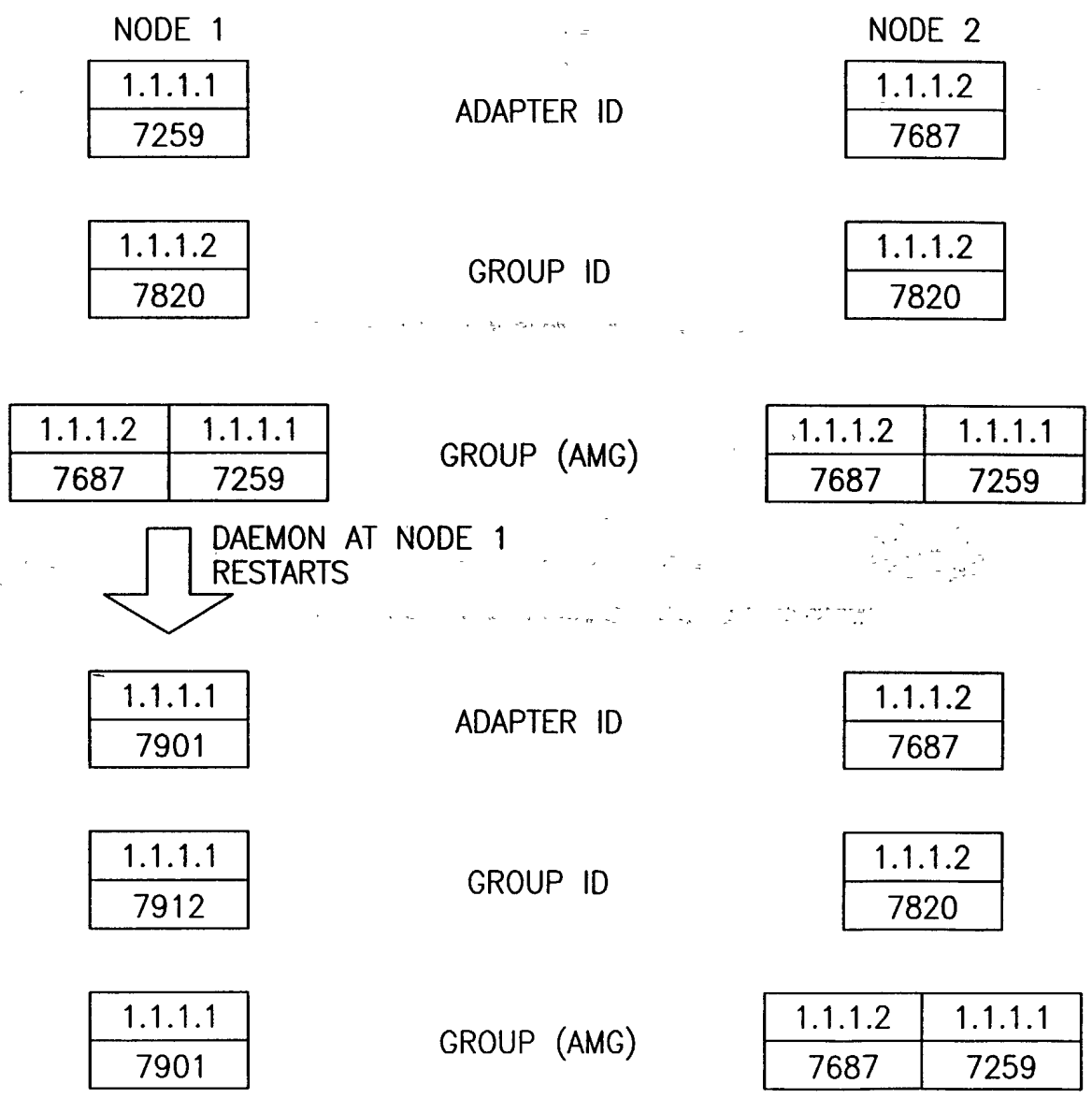
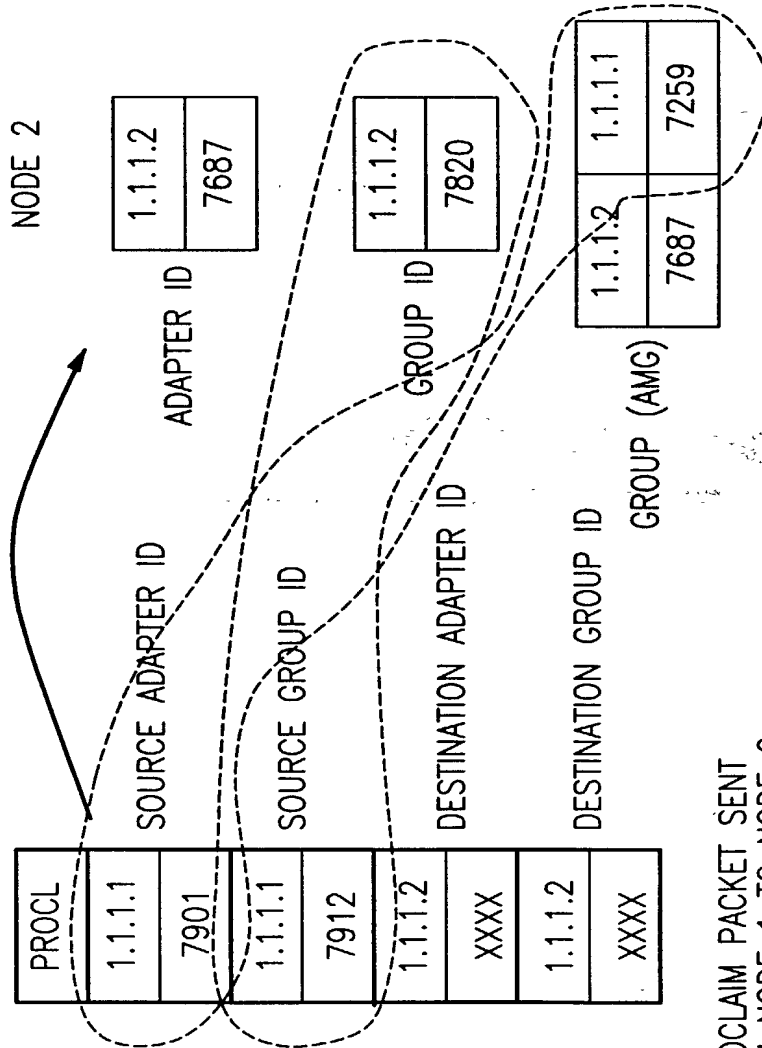


FIG.11



PROCLAIM PACKET SENT
FROM NODE 1 TO NODE 2

FIG.12



FIG. 13a

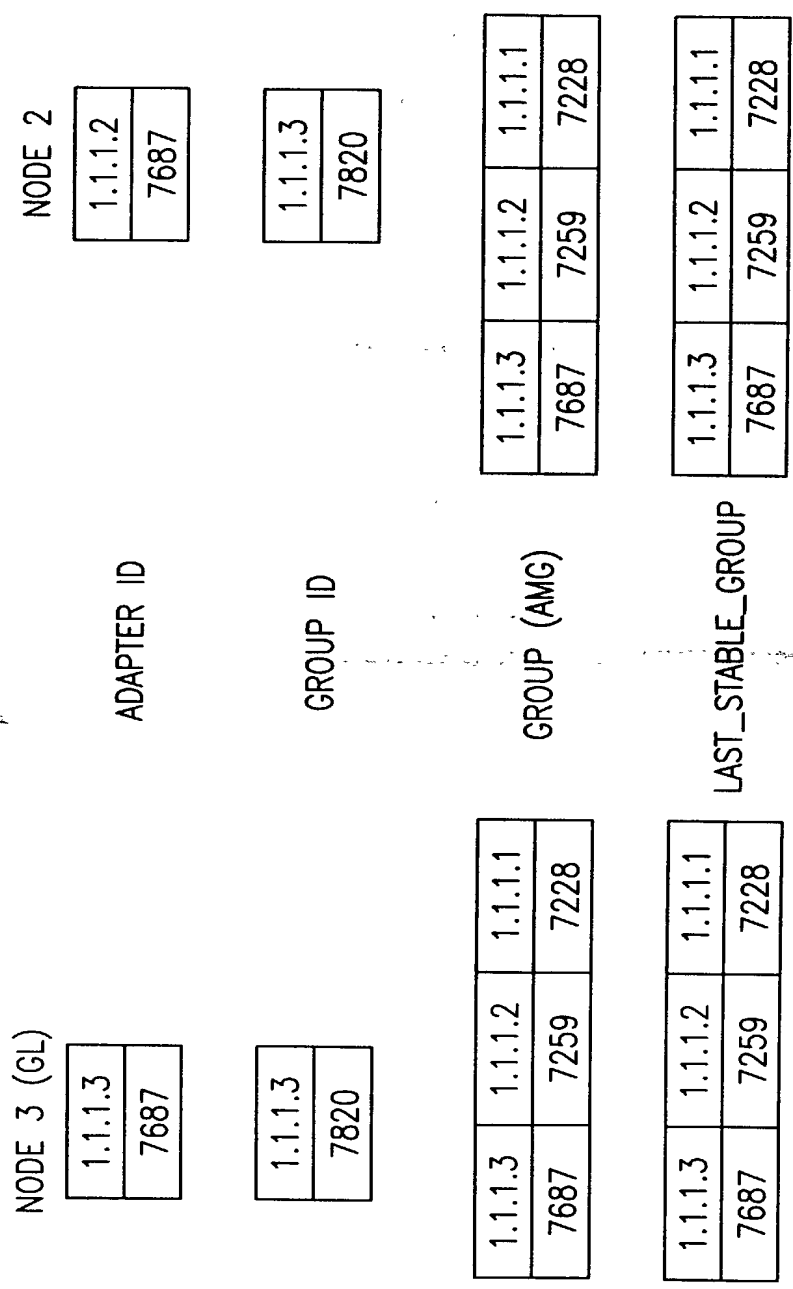
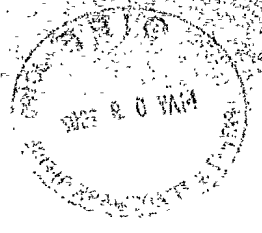


FIG.14a

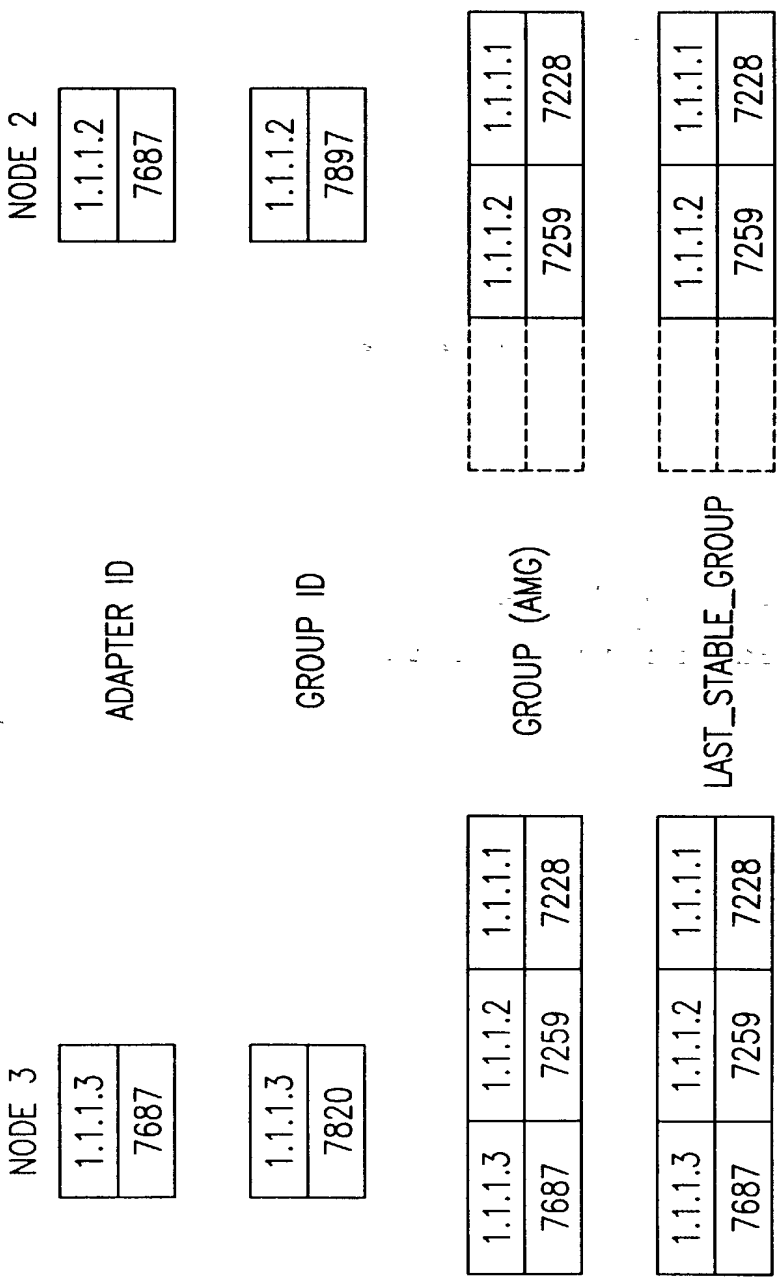
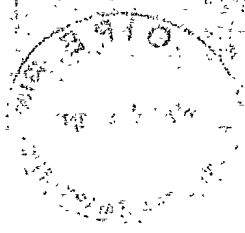


FIG.14b

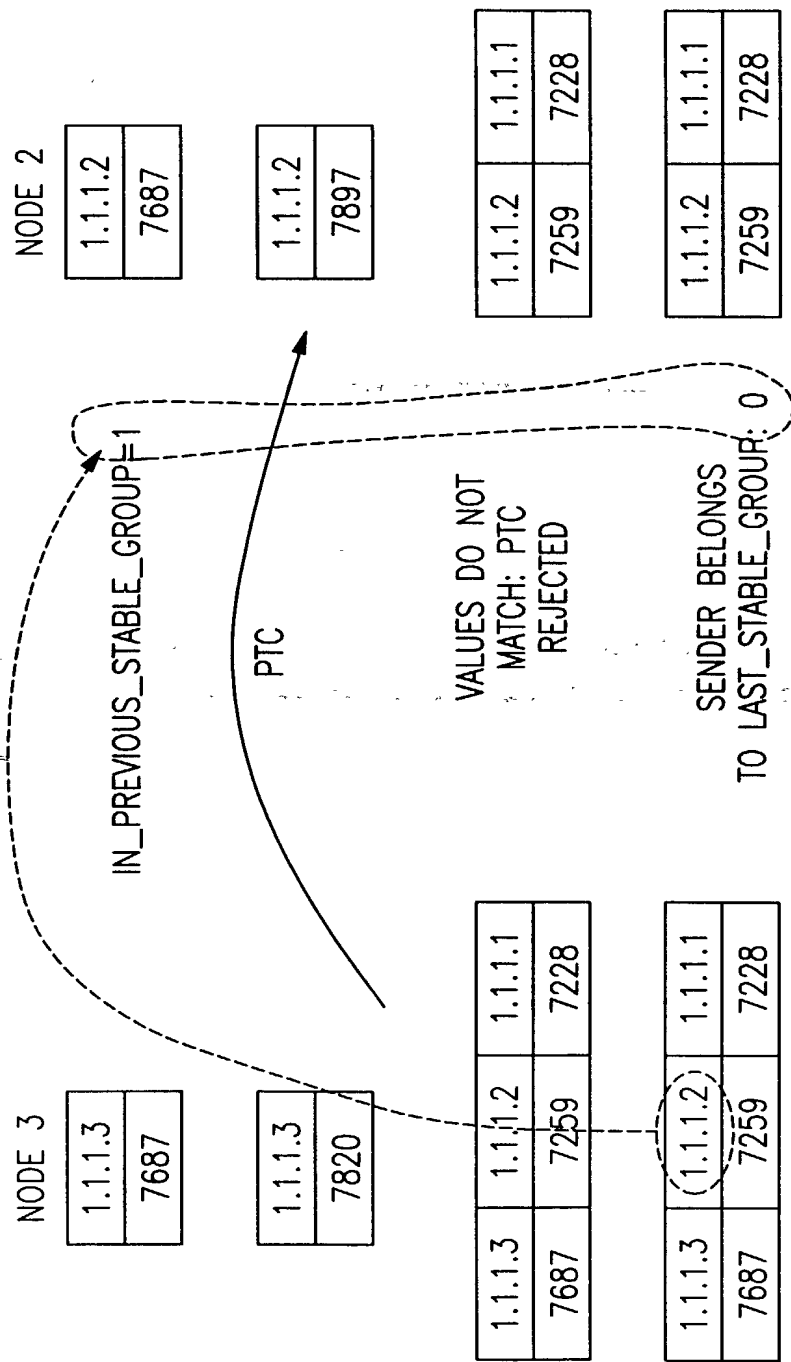


FIG.14c

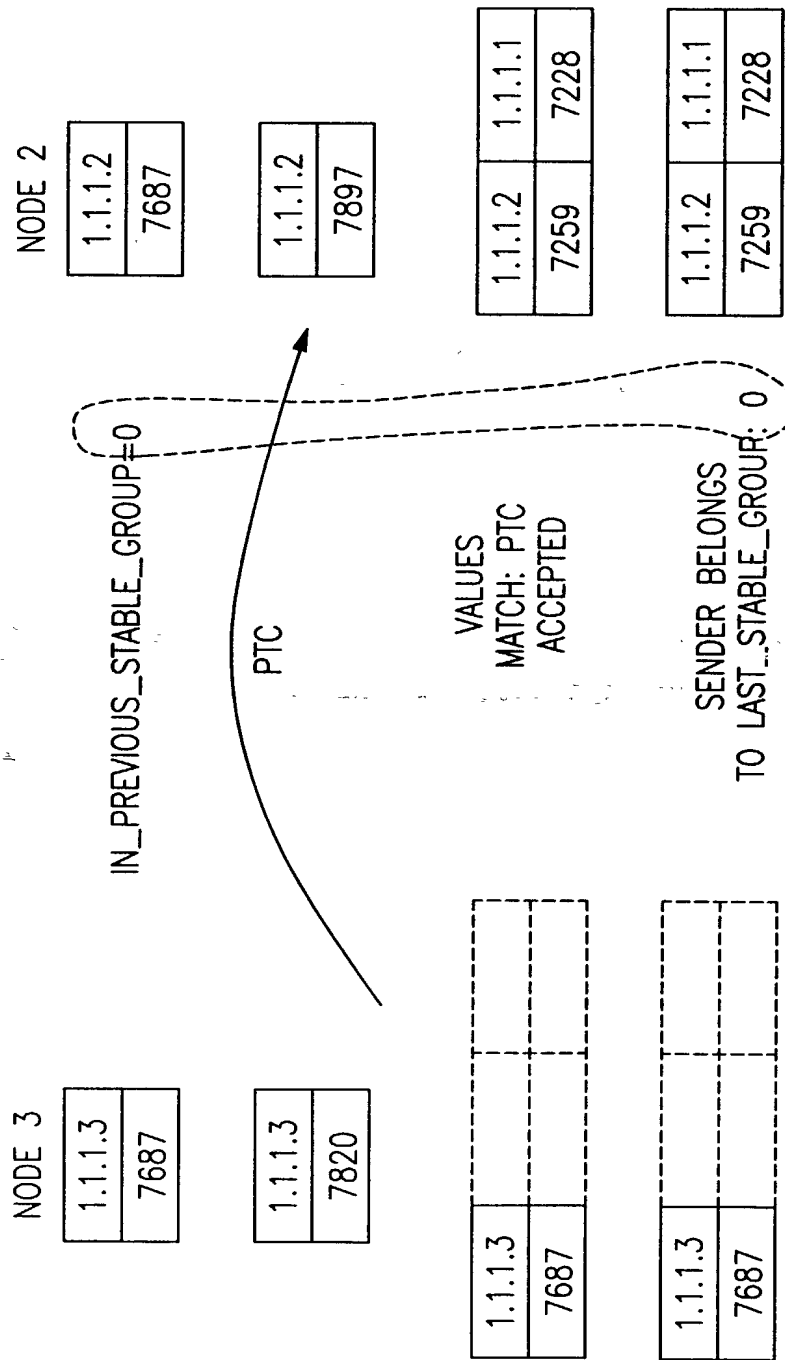
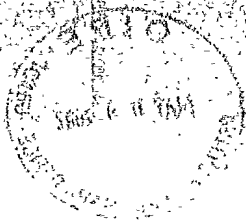
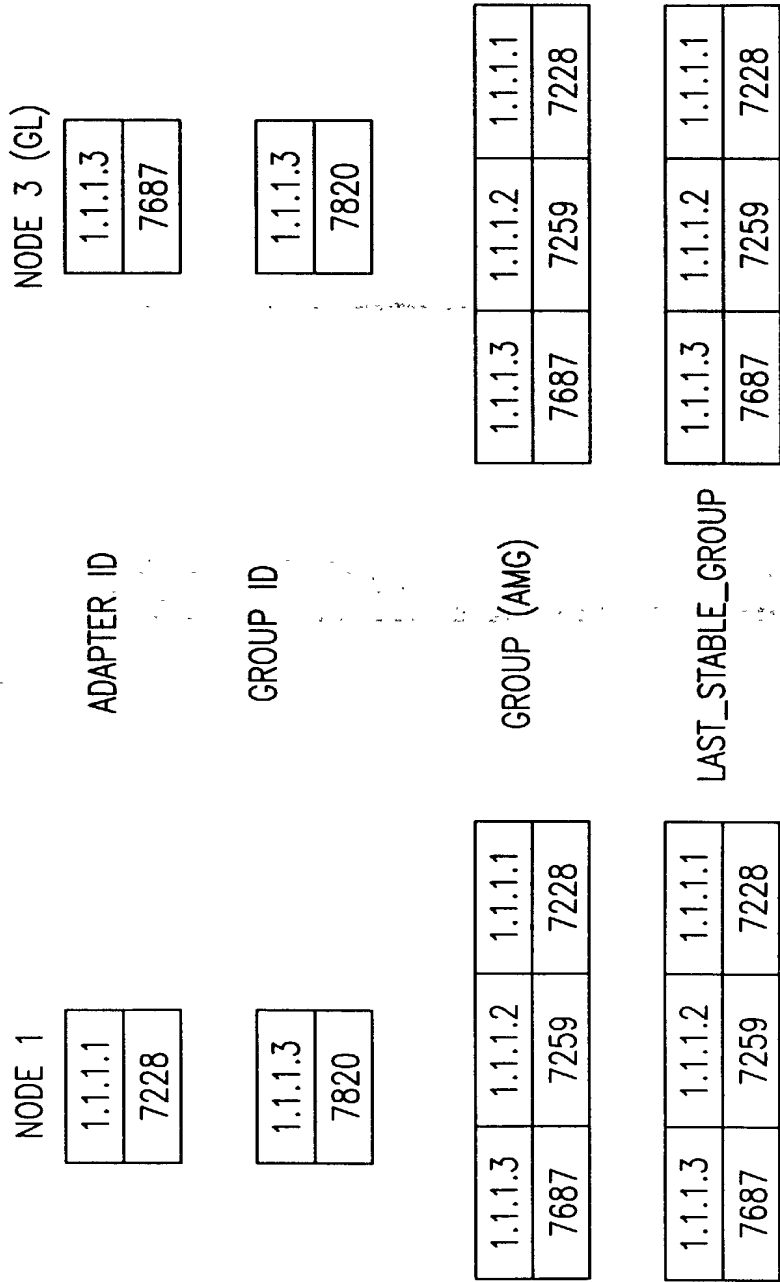
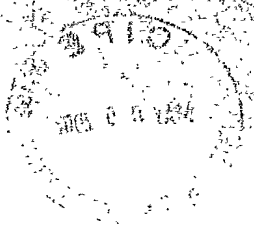


FIG.14d



COMMUNICATION GLITCH
IN NODE 1'S ADAPTER.

FIG.15a

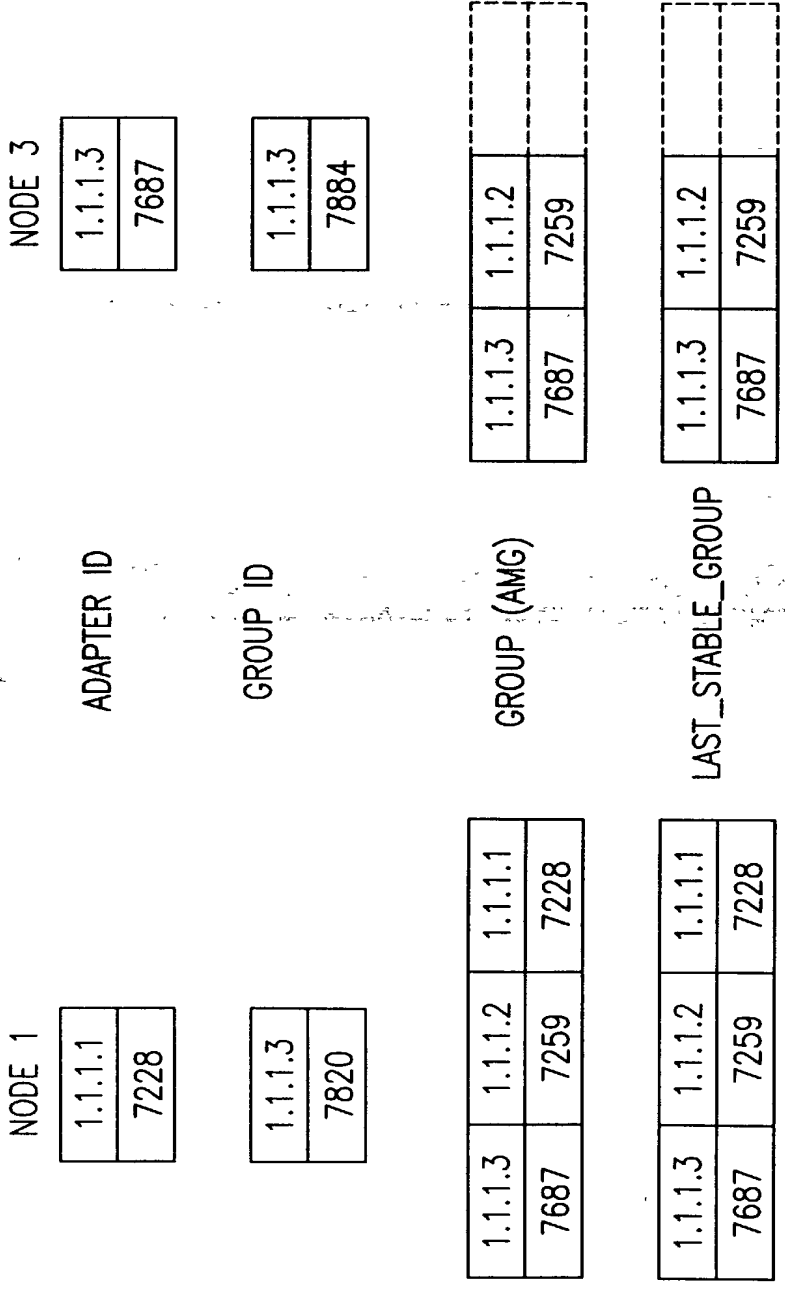
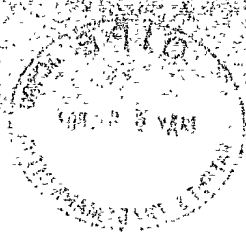


FIG.15b

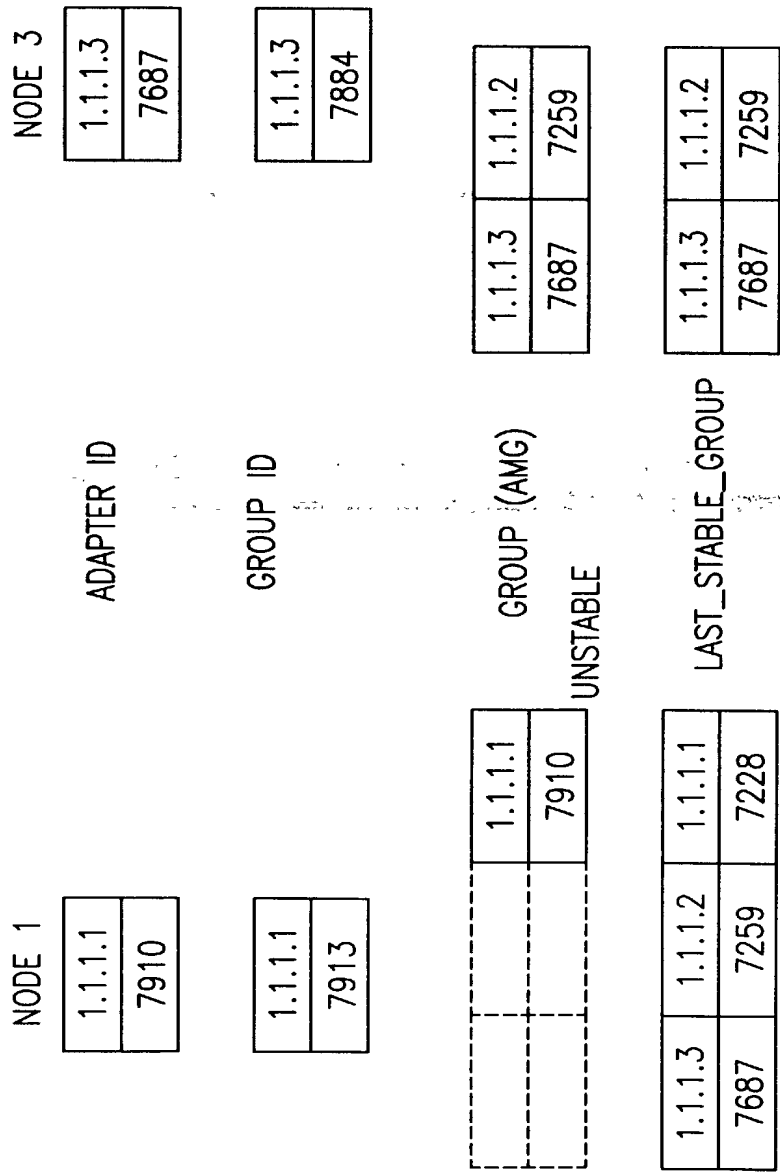


FIG.15c

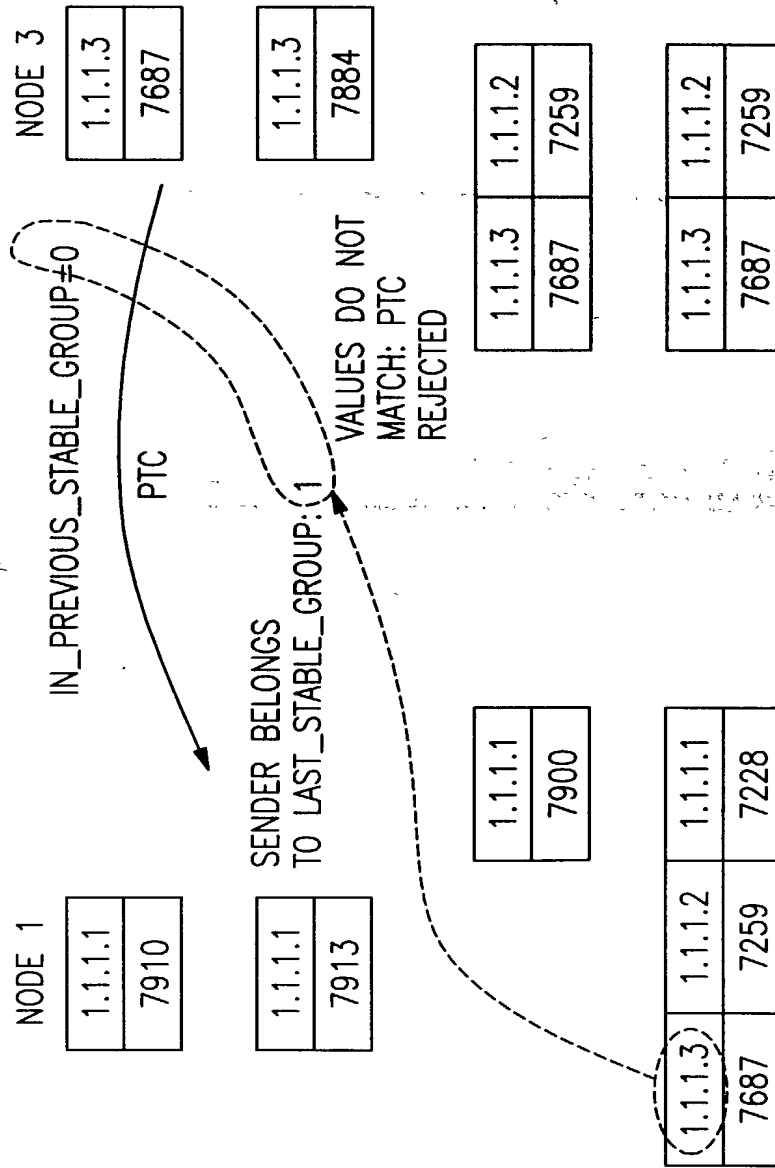


FIG.15d

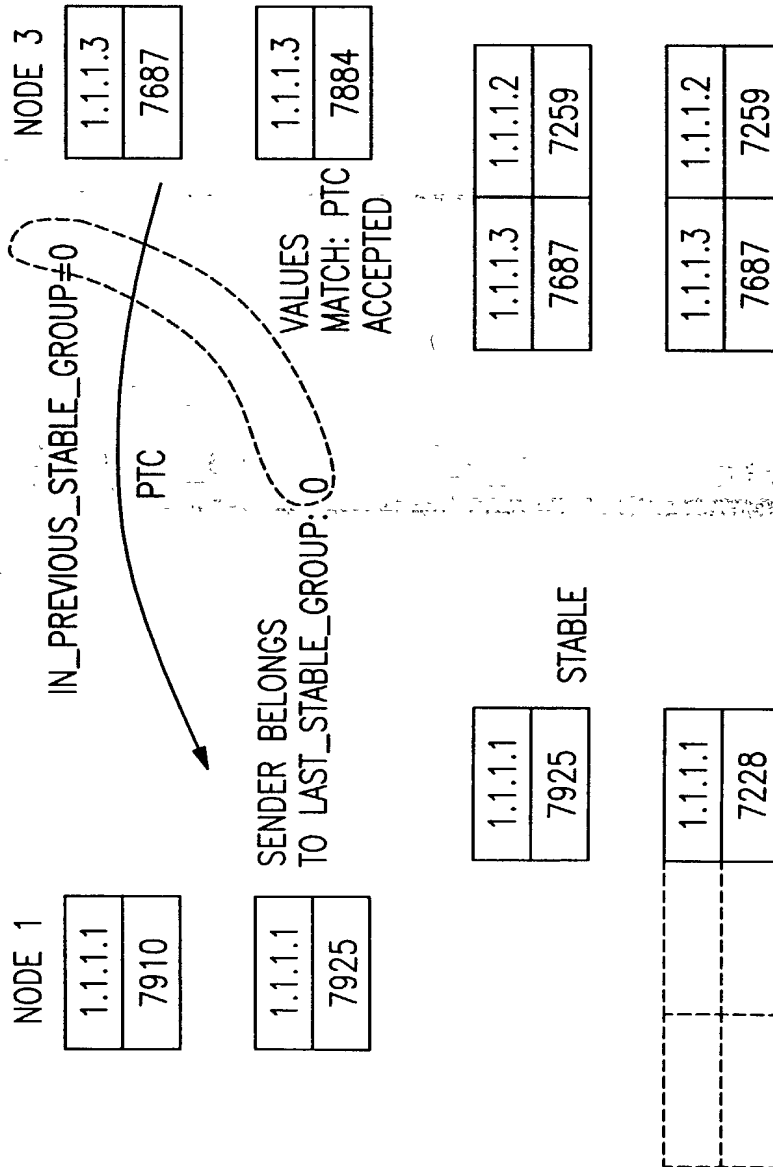


FIG.15e